

ROTARY COMPRESSOR

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Abstract

PURPOSE:To reduce the frictional loss and dynamic loss between a roller and a blade by improving the precision of the roller and the blade by the simple structure and the simple assembly and to improve the capacity efficiency by eliminating the leak of the high pressure gas fluid.

CONSTITUTION:On the outer peripheral part of a roller 3, a fitting groove 32 having the groove width larger than that of an outer peripheral opened port part 31 in the innermost part is formed in penetration, and a fitting part 41 which is fitted with the fitting groove 32 is installed at the edge part on the roller side of a blade 4. The fitting part 41 is joined from the edge part in the axial direction of the fitting groove 32 and the blade 4 is joined with the roller 3, and a swing body 6 having a receiving groove 61 for receiving the projection top edge side of the blade 4, in free advance and retreat into a cylinder 2, is installed in turnable manner, and the blade 4 is inserted into the swing body 6, and the roller 3 can be revolved, suppressing rotation.

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